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Nov. 8. N. 24. 1871
TREMAYNE'S COMPLETE SOLUTION

Fig. 1.

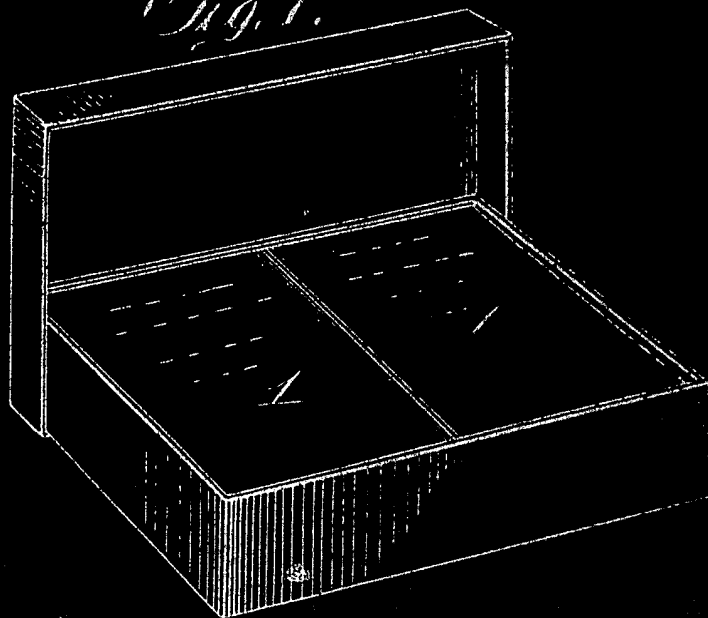


Fig. 2. 5
6 1 4

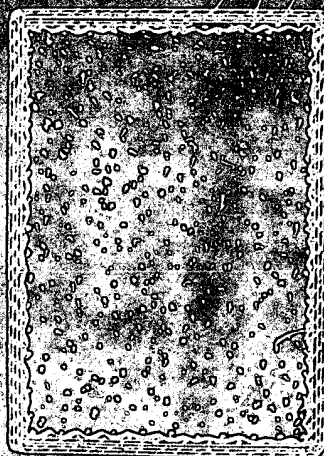
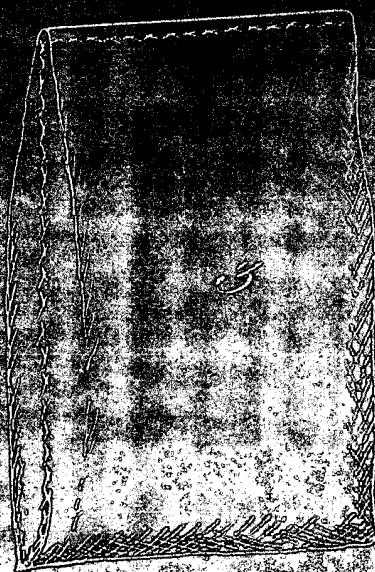


Fig. 3.



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Fig. 1.

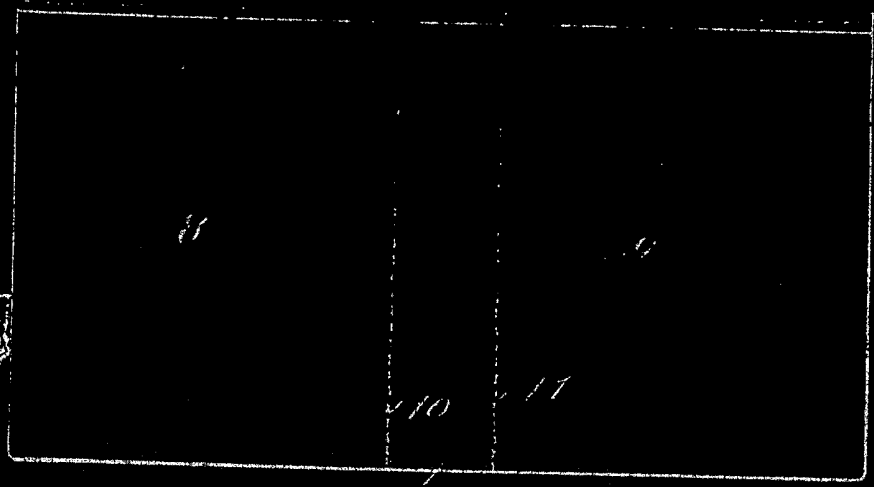


Fig. 5

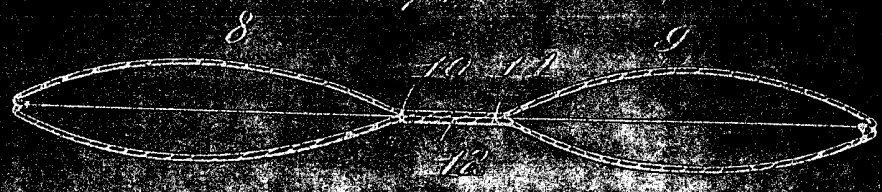
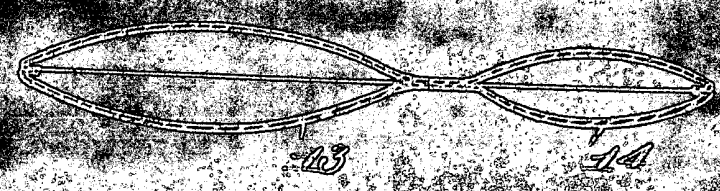
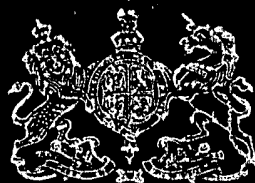


Fig. 6



This drawing is a reproduction of the original on a reduced scale.

N^o 24,151



A.D. 1904

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COMPLETE SPECIFICATION.

“Improvements in or relating to Coffee Packages”

I, WILLIAM BURTON TREMAINE, Vice President of the Acolian Weber Piano and Pianola Company, of No. 362 Fifth Avenue, City of New York, in the County and State of New York, United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to coffee packages, and the object thereof is to provide a package containing a measured quantity or measured quantities of coffee ready for use, the coffee being contained in a pervious and closed bag enveloped in a suitable wrapper so that when the wrapper is removed, the bag or a portion thereof, with its measured contents can be introduced directly into a coffee-pot for the preparation of a predetermined measure of a coffee beverage free from grounds.

A further object of the invention is to provide the package with a bag formed of a plurality of separable divisions, each division containing a measured amount of coffee to enable the preparation of a greater or less amount of the beverage as occasion requires; at the same time constructing the bag in such a manner that when the divisions are separated, the coffee contained in each division will not be exposed to the air.

A further object of the invention is to provide a coffee-package which shall be inexpensive, simple, strong and convenient in its use, and with the foregoing and other objects in view, the invention consists of the novel arrangement of parts hereinafter more specifically described and illustrated in the accompanying drawings, which form a part of this specification, and wherein I have shown the preferred embodiment of my invention, but it is to be understood that I may make such changes, variations and modifications therein as come properly within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views;

Figure 1 illustrates a plurality of coffee-packages constructed in accordance with this invention packed in a suitable receptacle.

Figure 2 is a sectional elevation of a coffee-package constructed in accordance with this invention.

Figure 3 is a perspective view of the form of coffee-bag shown in Figure 2.

Figure 4 is a top plan view of a divisional coffee-bag constructed in accordance with this invention.

Figure 5 is a longitudinal sectional view thereof; and,

Figure 6 is a longitudinal sectional view of a modified form of the divisional coffee-bag.

Referring to Figure 1 of the drawings, the reference character 1 denotes a plurality of coffee-packages constructed in accordance with this invention and packed in an outer receptacle 2. If desired, the outer receptacle 2 can be dispensed with, but as coffee is usually sold by weight, it has been found advantageous to pack a plurality of packages in a receptacle, the plurality of packages aggregating a certain weight, and when placed into the receptacle 2, the

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receptacle is marked to indicate the weight of coffee it contains, for example, one-half pound, one pound, two pounds *etc.* as the case may be. As the quantity of coffee generally used for family purposes at one time to prepare the beverage is below a half-pound and as the coffee-bags contain the same quantity for a single preparation, it is evident that the single package may be a small one; therefore, it is advantageous to pack up a plurality of the small packages in the outer receptacle. By providing the receptacle with the small packages, it affords a convenient way of handling the same.

A coffee package constructed in accordance with this invention comprises, as shown in Figures 2 and 3, a permanently closed coffee-bag 3, constructed of a pervious or porous fabric of any suitable character. A wrapper 4 is employed for the bag 3 and which is preferably in the form of a box of substantially stiff material, for example pasteboard or the like, and surrounding said box 4, is a cover 5 of any suitable material acting as a medium for closing the package substantially air-tight. Preferably this medium is tin-foil, and upon this medium is pasted, or otherwise secured, a label 6 to indicate the contents of the package, as well as the directions thereon for using the coffee. If desired, the wrapper 4 may be dispensed with and the air-tight medium inclose the bag, and also if desired, the separate label may be dispensed with and the air-tight medium 5 printed or otherwise provided with an inscription to indicate the contents of the package, as well as the directions for using the contents. The air-tight medium 5 can also be dispensed with and the wrapper 4 so constructed that when it is closed, it will be substantially air-tight and the label, as well as the directions, printed or otherwise placed upon the wrapper. Preferably the wrapper 4, air-tight medium 5 and separate label are employed. The bag 3 is of greater length than the box 4 so that when the bag is removed from the box, it can be spread, thereby decreasing the thickness of the mass of coffee which will materially assist the permeation of the water through the bag when the beverage is being prepared. The coffee within the bag 3 is indicated by the reference character 7, and the quantity thereof is a measured one, so that when the package is opened and the bag 3 with its contents 7 introduced directly into a coffee-pot, a predetermined quantity of the coffee beverage will be prepared free from grounds, for example, if the quantity of coffee in the bag is for making six cups, the directions would indicate that the bag is to be placed into a quart of water; if for three cups, the directions would indicate that the bag is to be placed into a pint of water; if for twelve cups, the directions would indicate the bag is to be placed in a half gallon of water. The directions just set forth are given by way of example and therefore, the measured contents of the bag for preparing a predetermined amount of coffee is not limited to any of the examples set forth.

In Figures 4 and 5 of the drawings, a modified construction of closed coffee-bag is shown, and which is constructed of any suitable material, but is formed into a plurality of separable and permanently-closed divisions indicated by the reference characters 8 and 9. Only two separable divisions are shown, but it is evident that the number of the separable divisions can be increased on occasion so requires. Each pair of the divisions is closed at one end through the medium of the rows of stitching 10, 11 respectively, the rows of stitching being a suitable distance apart so as to form the bag with a flattened portion between each pair of divisions and said flattened portion can be cut by a suitable instrument so as to separate the divisions, but owing to the arrangement of the rows of stitches 10, 11, the divisions when separated will not be opened, thereby preventing exposure of the coffee contained in each division to the air. The bag, as shown in Figures 4 and 5 has each of its divisions of a size as to contain the same quantity of coffee, but it is to be understood that the divisions may be of varying sizes so as to contain different quantities of coffee, for example, as shown in Figure 6, in which the reference character 12 indicates a division adapted to contain the larger quantity of coffee, and the reference

Treating and packaging coffee for use in the Preparation of Beverages.

character of the coffee, and the size of the package, the less amount of coffee is used in the process. Said coffee is a measured quantity of coffee ready for use so that when any desired amount is placed in the container, coffee beverage free from grounds will be prepared. It is to be understood that the quantity of coffee beverage, an additional division containing a measured amount of coffee will be placed in the container.

By my invention, I provide a coffee package of very simple construction of coffee package, and which will enable, in a convenient manner, the preparation of a predetermined quantity of a coffee beverage free from grounds, and at the same time, prevents the strength of the coffee being decreased owing to the action of atmospheric causes, for the reason that the package is substantially air-tight and the coffee is not exposed to the atmosphere during the preparing of the beverage.

15 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

1. As a new article of manufacture, a package consisting of a measured amount of coffee ready for use contained in a permanently-closed bag of
20 porous material for preparing a predetermined quantity of coffee beverage free from grounds, and a removable air-tight inclosure for said bag, substantially as set forth.

2. As a new article of manufacture, a package consisting of a measured amount of coffee ready for use contained in a permanently-closed bag of
25 porous material for preparing a predetermined quantity of coffee beverage free from grounds, a wrapper for said bag, and an air-tight cover for the wrapper, substantially as set forth.

3. As a new article of manufacture, a package consisting of measured quantities of coffee ready for use contained in a permanently-closed and divisional
30 bag of porous material for preparing predetermined quantities of coffee beverage free from grounds, and a removable air-tight inclosure for said divisional bag, substantially as set forth.

4. As a new article of manufacture, a package consisting of measured quantities of coffee ready for use contained in a permanently-closed and divisional
35 bag of porous material for preparing predetermined quantities of coffee beverage free from grounds, a wrapper for the divisional bag, and an air-tight cover for the wrapper, substantially as set forth.

5. As a new article of manufacture, a coffee package embodying a porous bag formed with a plurality of separable and permanently-closed divisions,
40 each containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, substantially as set forth.

6. As a new article of manufacture, a coffee package embodying a porous bag formed with a plurality of separable and permanently-closed divisions,
45 each containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, and a removable air-tight inclosure for said bag, substantially as set forth.

7. As a new article of manufacture, a coffee package embodying a porous bag formed with a plurality of separable and permanently-closed divisions
50 spaced apart by a flattened portion adapted to be severed for separating the divisions, each of said divisions containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, substantially as set forth.

8. As a new article of manufacture, a coffee package embodying a porous
55 bag formed with a plurality of separable and permanently-closed divisions

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spaced apart by a flattened portion adapted to be severed for separating the divisions, each of said divisions containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, combined with a removable and air-tight inclosure for said bag substantially as set forth.

9. As a new article of manufacture, a coffee-package consisting of a plurality of permanently-closed and porous bags, each containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage, a removable air-tight enclosure for each of said bags, and a receptacle for said inclosed bags, substantially as set forth.

10. As a new article of manufacture, a coffee-package embodying a removable air-tight inclosure, and a permanently-closed and flexible bag of porous material within said inclosure and containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, said bag of greater length than said inclosure, substantially as set forth.

11. As a new article of manufacture, a package embodying an air-tight inclosure, and a permanently-closed and flexible bag of porous material formed with a plurality of separable and permanently-closed divisions, each containing a measured amount of coffee ready for use for preparing a predetermined quantity of coffee beverage free from grounds, said bag of greater length than said inclosure, substantially as set forth.

12. A coffee package made-up and arranged substantially as hereinbefore described with reference to the accompanying drawings for the purposes set forth.

Dated this 8th day of November 1904.

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Agent for the Applicant.